

SEQUENCE LISTINGSeq. no. I

NGWFYVEAVVEKKTGDAISDDENENDSDTGEDLVDFIVNDNDYLT

Human papillomavirus 16 E1 protein

5 Peptide

Seq. no. II

NENDSDTGEDLVDFIVND

Human papillomavirus 16 E1 protein

Peptide

10 Seq. no. III

MADPAGTNGEEGTGCNGWFYVEAVVEKKTGDAISDDENENDSDTGEDLVDFIVNDNDYLT

Human papillomavirus 16 E1 protein

Peptide

15 Seq. no. IV

EDLVDFIVNDNDYLT

Human papillomavirus 16 E1 protein

Peptide

Seq. no. V

## 20 EDLVDFIVNDNDYLTQAETETAHALFTAQEAQKH

Human papillomavirus 16 E1 protein

Peptide

Seq. no. VI

NENDSDTGEDLVDFIVNDNDYLTQAETETAHALFTAQEAQKHHRDAVQVLKRKYL

## 25 Human papillomavirus 16 E1 protein

Peptide

Seq. no. VII

GSPLSDIS

Human papillomavirus 16 E1 protein

30 Peptide

Seq. no. I

DKILTHYENDS

Human papillomavirus 16 E2 protein  
Peptide5 Seq. no. II

DKILTHYENDSTDLRDHI

Human papillomavirus 16 E2 protein  
PeptideSeq. no. III

10 DLRDHIDYWKH

Human papillomavirus 16 E2 protein  
PeptideSeq. no. IV

AIYYKAREMGFKHINHQVVPTLA

15 Human papillomavirus 16 E2 protein  
PeptideSeq. no. V

AIYYKAREMGFKHINHQVVPTLAVSKNKAL

20 Human papillomavirus 16 E2 protein  
PeptideSeq. no. VI

YYKAREMGFKHINHQVVPTLAVSKN

Human papillomavirus 16 E2 protein  
Peptide25 Seq. no. VII

INHQVVPTLAVSKNKALQAI

Human papillomavirus 16 E2 protein  
Peptide

Seq. no. VIII

INHQVVPTLAVSKNKAL

Human papillomavirus 16 E2 protein  
Peptide5 Seq. no. IX

TLAVSKNKALQAIELQLTLETIYNSQYSNEKWTLODV

Human papillomavirus 16 E2 protein  
PeptideSeq. no. X

10 QLTLETIYNSQYSNEKWTLODVSLE

Human papillomavirus 16 E2 protein  
PeptideSeq. no. XI

TLETIYNSQYSNEK

15 Human papillomavirus 16 E2 protein  
PeptideSeq. no. XII

TSVFSSNEVSSPEII

Human papillomavirus 16 E2 protein

20 Seq. no. XIII

VFSSNEVSSPEIIRQHLANHPAATHTKAVALGTEET

Human papillomavirus 16 E2 protein  
PeptideSeq. no. XIV

25 EIIRQHLANHPAATHTKAVALGTEETQTTIQRPRSEP

Human papillomavirus 16 E2 protein  
PeptideSeq. no. XV

TEETQTTIQRPRSEPDTGN

30 Human papillomavirus 16 E2 protein  
Peptide